

Title (en)

METHOD AND SYSTEM FOR SECURING DATA UTILIZING REDUNDANT SECURE KEY STORAGE

Title (de)

VERFAHREN UND SYSTEM ZUR SICHERUNG VON DATEN UNTER VERWENDUNG EINER REDUNDANTEN SICHEREN SCHLÜSSELSPEICHERUNG

Title (fr)

PROCEDE ET SYSTEME PERMETTANT DE SECURISER DES DONNEES A L'AIDE D'UNE MEMOIRE DE CLES SECURISEES REDONDANTES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005121972A1] A system and method which protects a data processing system against encryption key errors by providing redundant encryption keys stored in different locations, and providing the software with the ability to select an alternate redundant key if there is any possibility that the encryption key being used may be corrupted. In the preferred embodiment, a memory control module in the data processing device is configured to accommodate the storage of multiple (for example up to four or more) independent password/key pairs, and the control module duplicates a password key at the time of creation. The redundant passwords and encryption keys are forced into different memory slots for later retrieval if necessary. The probability of redundant keys being corrupted simultaneously is infinitesimal, so the system and method of the invention ensures that there is always an uncorrupted encryption key available.

IPC 8 full level

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